



1949

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VACUUM-GAUGE TUBE

HARD-GLASS BULB, IONIZATION TYPE

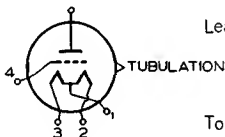
DATA**General:**

Filament, Tungsten:*

Voltage (Approx.)	5	ac or dc volts
Current (Approx.)	3.5	amp
Maximum Tube Length (Including tubulation)	11-1/2"	
Maximum Tube Radius	2-3/16"	
Maximum Bulb Length	5-1/8"	
Maximum Bulb Diameter	2-1/16"	
Bulb	T-16	
Tubulation	1/2" Diameter Hard Glass,	
	Corning Code 772 Nonex	
Operating Position	Vertical with tubulation up or down; Horizontal, with stem press in vertical plane	

Terminal Arrangement See Outline Drawing
 Terminal Lead Connections:

Lead 1 - Common
 Lead to
 Filaments
 Lead 2 - Filament
 Lead 3 - Filament
 (Spare)



Lead 4 - Grid

Top Lead - Plate

Maximum Ratings, Absolute Values:

FILAMENT VOLTAGE	6.5 max.	volts	←
DC PLATE VOLTAGE DURING OPERATION	-100 max.	volts	
DC GRID VOLTAGE DURING OPERATION	+200 max.	volts	
VOLTAGE ON GRID & PLATE TIED TOGETHER DURING DEGASSING (DC OR PEAK AC)	650 max.	volts	
GRID & PLATE DISSIPATION (TOTAL) DURING DEGASSING	150 max.	watts	
AMBIENT TEMPERATURE DURING OPERATION	100 max.	°C	
GAS PRESSURE	0.001 max.	mm of Hg	

Typical Degassing Conditions:*Grid Connected to Plate*

Filament Voltage (AC or DC)	6	6	volts
Grid & Plate Voltage	350 rms	500 dc	volts
Grid & Plate Current (Average)	100	150	ma

Typical Operation:

DC Plate Voltage	-22.5	-22.5	-22.5	volts
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* The 1949 contains two filaments, one of which is a spare. Values shown are for either filament operated alone. The filament voltage should be kept as low as possible during degassing because use of a low filament voltage materially increases filament life.

← Indicates a change

MARCH 1, 1954

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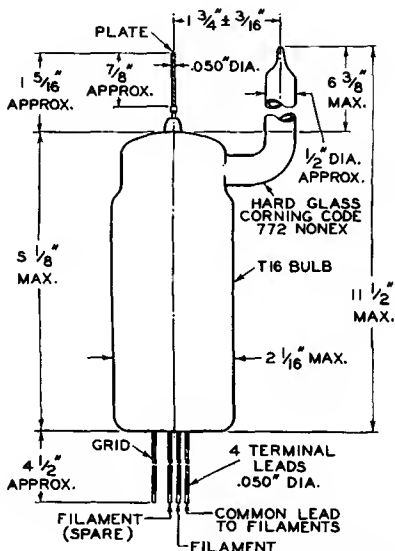
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VACUUM-GAUGE TUBE

DC Grid Voltage	+80	+110	+160	voltage
Grid Current	10	10	10	ma
Sensitivity	80	110	140	$\mu\text{a}/\text{micron}^{\Delta}$

Calibration:

See curve on following sheet.

 Δ 1 micron = 0.001 mm of mercury.

92CS-6817

MARCH 1, 1954

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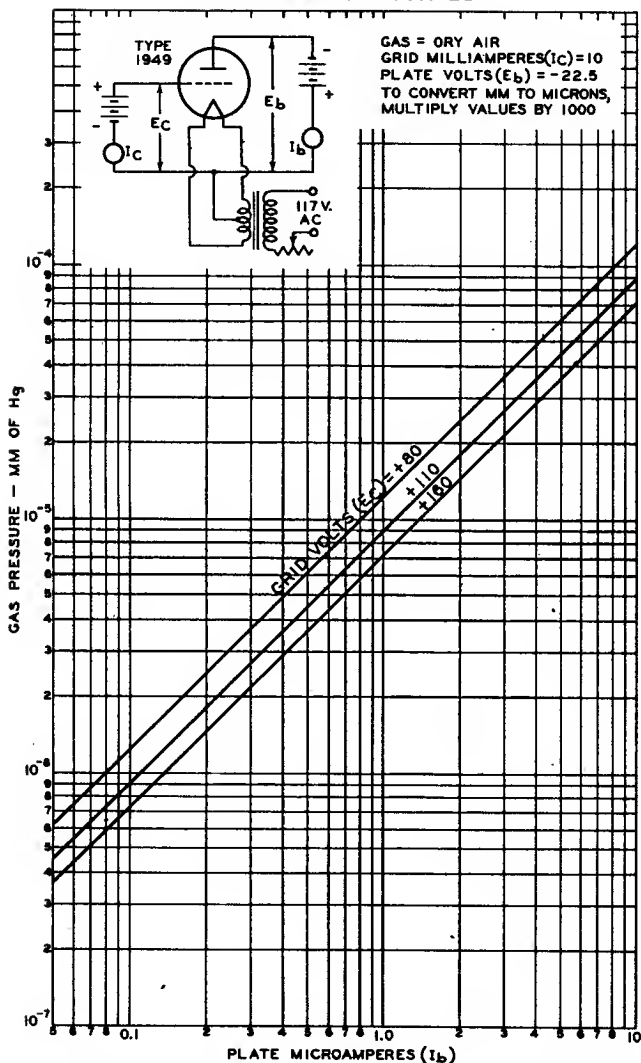
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CALIBRATION CURVES



MAR. 11, 1947

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